

29. The method of claim 28, wherein performing the operation comprises:
applying update data to the preexisting file having the same name as the input file if the file system includes one preexisting file having the same name as the input file.

30. The method of claim 28, wherein the input file comprises a file to add to the file system, further comprising:

returning an error if the file system includes one preexisting file having the same name as the input file; and

adding the input file to the file system if the file system does not include one preexisting file having the same name as the input file.

31. The system method of claim 1, further comprising:

means for searching the file system for one preexisting file having the same name as the input file name if the data structure indicates that one preexisting file has a name that maps, according to the function, to the same value to which the input file maps; and

means for performing an operation if the file system includes one preexisting file having the same name as the input file.

32. The system of claim 31, wherein the means for performing the operation further performs:

applying update data to the preexisting file having the same name as the input file if the file system includes one preexisting file having the same name as the input file.

33. The system of claim 31, wherein the input file comprises a file to add to the file system, further comprising:

means for returning an error if the file system includes one preexisting file having the same name as the input file; and

means for adding the input file to the file system if the file system does not include one preexisting file having the same name as the input file.

34. The article of manufacture of claim 19, further comprising:

searching the file system for one preexisting file having the same name as the input file name if the data structure indicates that one preexisting file has a name that maps, according to the function, to the same value to which the input file maps; and

performing an operation if the file system includes one preexisting file having the same name as the input file.

35. The article of manufacture of claim 34, wherein performing the operation comprises:

applying update data to the preexisting file having the same name as the input file if the file system includes one preexisting file having the same name as the input file.

36. The article of manufacture of claim 34, wherein the input file comprises a file to add to the file system, further comprising:

returning an error if the file system includes one preexisting file having the same name as the input file; and

adding the input file to the file system if the file system does not include one preexisting file having the same name as the input file.